

# SPF-15

## 3" Full Range Surface-Mount Outdoor Speaker



### Specifications: SPF-15

### Mounting hardware included

|                                |  |
|--------------------------------|--|
| Nominal Impedance              | 8 ohms   |
| Sensitivity dB @ 2.83V/1M      | 85 dB  |
| Frequency Response (1)         | 122 Hz - 22 kHz  |
| Recommended Power              | 5 - 40 Watts   |
| Transducer - Full-Range Driver | 3" Polypropylene Driver with Butyl Rubber Surround                                 |
| Crossover Frequency            | 3 kHz  |
| Crossover Type                 | 2-Way Absolute Phase®  |
| Colors                         | Black, White   |
| Enclosure alignment            | Sealed   |
| Grille - material              | Powder-Coated Aluminum   |
| Height (SM = Height)           | 110.5 mm / 4.35"   |
| Diameter (SM = Width)          | 110.5 mm / 4.35"   |
| Weight                         | 0.6 kg / 1.4 lb  |
| Shipping Weight                | 0.9 kg / 2 lb  |
| Accessories Optional           | Junction Box (AC-SM31-JBOX),Transformer (AC-SM31-XFMR),Mounting Plate (AC-SM31-MP) |
| Regulatory - UL                | Approved UL1480A   |
| Regulatory - CE                | approved   |
| Regulatory - RoHS              | approved   |

### Key Features

- One 3 inch (76.1 mm) polypropylene driver with butyl rubber surround
- Weatherized components for indoor/outdoor applications.
- Theft- and corrosion-resistant mounting mechanism with an indexed swivel-joint for precision aiming in any direction.
- Ultra-low profile ZeroReflection™ ABS enclosure (4 inch diameter by 3.5 inch deep, including mounting plate).
- Corrosion-resistant, powder-coated aluminum grille.
- UL 1480 (UEAY) approved.
- High quality black or white paint finish.

### Description

Incorporating weatherized components for indoor and outdoor use, the SPF-15 is a premium full-range surface-mount speaker for applications requiring home theater, music, or distributed audio solutions. The SPF-15 includes a proprietary attachment with an indexed swivel-joint for complete hemispherical aiming.

Built into an ultra-compact enclosure, the SPF-15

features a 3" full-range mineral-filled polypropylene cone with butyl surrounds that delivers exceptional tonal balance and a clear distinction between musical notes. The rust-resistant aluminum powder-coated grille protects the internal parts from the elements. Available in white or black, the SPF-15 is the perfect option for any open-air setting.

The SPF-15-T includes a 10 Watt transformer.

### Applications

Engineered for rapid installation and low profile mounting for smaller venues, the SPF-15 is ideal for retail, restaurants, conference rooms, patio areas, educational facilities or any setting where full-range intelligibility, unobtrusive design and installation ease are paramount.

### Patented Phase Technology Technologies

Phase Technology and MSE Audio Group constantly develop new technologies that enhance audio product performance. Phase

Technology innovations are protected by multiple U.S. and international patents, which explicitly cover Phase Technology dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect Phase Technology resellers and end users.

### Technical Data and Specification Tools

#### Technical Data

Phase Technologies strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at [www.soundtube.com](http://www.soundtube.com). Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

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### **Data Acquisition and Verification**

All data for Phase Technologies speakers are independently collected from and verified by NWAA Labs ([www.nwaalabs.com](http://www.nwaalabs.com)) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

#### **Phase Technology**

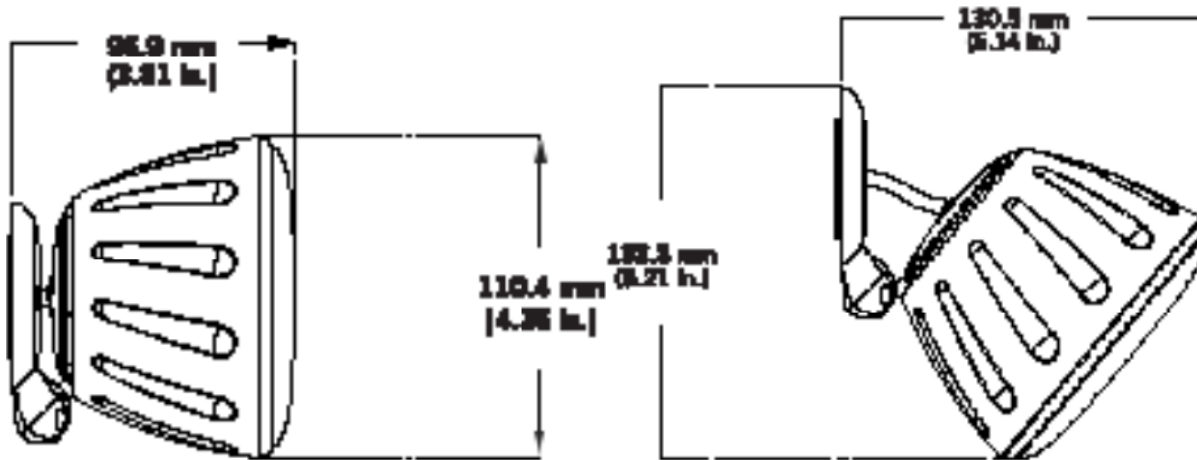
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All Phase Technologies products come with a 5-year limited warranty.

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3" Full Range Surface-Mount  
Outdoor Speaker



## Mechanical Drawings



## Optional Accessories



Junction Box (AC-SM31-  
JBOX)



Transformer (AC-SM31-  
XFMR)



Mounting Plate (AC-  
SM31-MP)